

EN

The Jumpstart on an Elite Career

High tech, complex cutting edge systems
and computers.



Enginemane
EN ATF

Enginemene (EN) operate, service and repair internal combustion engines used to power some of the Navy's ships and most of the Navy's small craft. Most Enginemene work with diesel engines.

Enginemene also operate and maintain electrohydraulic controllable pitch propeller systems and steering engines, refrigeration and air conditioning systems, air compressors, desalinization plants and small auxiliary boilers.

Active duty obligation is six years. Applicants will enlist for four years and concurrently execute an agreement to extend their enlistment for 24 months. Enlistee enters as an E-1 (fireman recruit).

Advancement to E-2 (fireman apprentice) will be made after successful completion of recruit training.

Advancement to paygrade E-3 will be made after completion of all advancement-in-rate requirements (including minimum time in rate). Advancement to paygrade E-4 (petty officer third class) will be made after successful completion of initial school training and after all advancement-in-rate requirements (including minimum time in rate) are completed. Advancement to E-3 and E-4 is contingent upon maintaining eligibility in the Advanced Technical Field.

What They Do

The duties performed by EN-ATFs include:

- Aligning fuel, water and air piping systems and control operation of diesel engines used for ship propulsion, to propel small craft and to generate electrical power
- Cleaning, lubricating, adjusting, testing and performing other preventive maintenance on diesel engines, reduction gears, air compressors, hydraulic or pneumatic clutches, steering engines and controllable pitch propeller systems
- Operating and maintaining desalinization plants used to make fresh water from sea water
- Operating and servicing refrigeration plants and air conditioning systems
- Repairing or replacing valves, pumps, compressors, heat exchangers and control devices used with diesel engines and gas turbines
- Making entries into and analyzing machinery operating records and reports

Credit Recommendations

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate or lower-division bachelor's/associate's degree categories for courses taken in this rating on engine maintenance and repair and blueprint reading.



Qualifications and Interests

Clear speech, physical stamina and manual dexterity are needed in this rating. EN-ATFs should know how to use common hand and power tools and enjoy working with complex mechanical devices.

Knowledge of arithmetic and internal combustion engines is desirable. Other helpful characteristics are the ability to work with others, resourcefulness, and an interest in learning new ideas and skills.

Working Environment

Enginemene work in engine rooms or shops which, at times, may be hot and noisy. They may also work outdoors aboard small craft. The work performed is sometimes physical. Although Enginemene often work closely with others, they may also be required to work alone with limited supervision.

Opportunities

For qualified applicants, opportunities are fairly good to enter this rating. Approximately 6,000 men and women work in the EN rating.

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**Engineman
EN ATF**

Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating though on-the-job training or formal Navy schooling.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Engineman "C" School Core	Great Lakes, Ill.	4 Weeks	Advanced diesel engine construction and failure analysis, advanced engineering and safety program utilization, pump alignment utilizing computer technology, advanced mechanical tool utilization and advanced engine maintenance.	Group instruction and practical application
Engineman "C" School Ship Platform Courses	Great Lakes, Ill.	3-11 weeks	Advanced ship specific diesel engine construction, failure analysis, troubleshooting, maintenance and repair procedures. Operation of your platform specific diesel engine(s), engine console operation for LSD platforms, and SOLAR gas turbine engines for MCM platforms. FFG-7 platforms also get auxiliaries training on elevators, fin stabilizers, waste heat distillers, and a platform familiarization in the FFG-7 operational propulsion plant trainer.	Group instruction and practical application

After "A" School, ENs will be assigned to a "C" School for a specific diesel mechanic course for advanced training prior to an initial tour or following an initial tour of being assigned to ships, naval shipyards or naval repair facilities afloat or ashore in the United States or overseas. In a 20-year period, ENs spend about 65 percent of their time assigned to fleet units and 35 percent to shore stations.

All personnel now receive sea pay at sea (E-1 to E-9)

Related Civilian Jobs—Dept. of Labor Dictionary of Occupational Titles

Supervisor, Garage
Automobile Mechanic
Machinist, Marine Engine
Diesel Mechanic
Fuel System Maintenance Worker
Stationary Engineer
Diesel Plant Operator (light, heat & power)
Power Plant Operator (light, heat & power)



Since Navy programs and courses are revised at times, the information contained on this rating card is subject to change.

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